

| | |
|--------------------------------------------|-------------------------------------|
| bis(cyclopentadienyl) titanium | dichloride, |
| bis(methylcyclopentadienyl) titanium | dichloride, |
| bis(dimethylcyclopentadienyl) titanium | dichloride, |
| bis(trimethylcyclopentadienyl) titanium | dichloride, |
| bis(tetramethylcyclopentadienyl) titanium | dichloride, |
| bis(pentamethylcyclopentadienyl) titanium | dichloride, |
| bis(n-butylcyclopentadienyl) titanium | dichloride, |
| bis(indenyl) titanium | dichloride, bis(fluorenyl) titanium |
| dichloride, bis(cyclopentadienyl) titanium | chlorohydride, |
| bis(cyclopentadienyl) methyltitanium | chloride, |
| bis(cyclopentadienyl) ethyltitanium | chloride, |
| bis(cyclopentadienyl) phenyltitanium | chloride, |
| bis(cyclopentadienyl) dimethyltitanium, | |
| bis(cyclopentadienyl) diphenyltitanium, | |
| bis(cyclopentadienyl) dineopentyltitanium, | |
| bis(cyclopentadienyl) dihydrotitanium, | |
| (cyclopentadienyl) (indenyl) titanium | dichloride, |
| (cyclopentadienyl) (fluorenyl) titanium | dichloride, etc. |

(2) Transition metal compounds having two conjugated, 5-membered cyclic ligands, in which the two ligands are crosslinked with an alkylene group, such as

| | |
|-------------------------------------|----------------|
| methylenebis(indenyl) titanium | dichloride, |
| ethylenebis(indenyl) titanium | dichloride, |
| methylenebis(indenyl) titanium | chlorohydride, |
| ethylenebis(indenyl) methyltitanium | chloride, |

ethylenebis(indenyl)methoxychlorotitanium,
ethylenebis(indenyl)titanium diethoxide,
ethylenebis(indenyl)dimethyltitanium, ethylenebis(4,5,6,7-
tetrahydroindenyl)titanium dichloride, ethylenebis(2-
methylindenyl)titanium dichloride, ethylenebis(2,4-
dimethylindenyl)titanium dichloride, ethylenebis(2-methyl-
4-trimethylsilylindenyl)titanium dichloride,
ethylenebis(2,4-dimethyl-5,6,7-trihydroindenyl)titanium
dichloride, ethylene(2,4-dimethylcyclopentadienyl)(3',5'-
dimethylcyclopentadienyl)titanium dichloride, ethylene(2-
methyl-4-t-butylcyclopentadienyl)(3'-t-butyl-5'-
methylcyclopentadienyl)titanium dichloride,
ethylene(2,3,5-trimethylcyclopentadienyl)(2',4',5'-
trimethylcyclopentadienyl)titanium dichloride,
isopropylidenebis(2-methylindenyl)titanium dichloride,
isopropylidenebis(indenyl)titanium dichloride,
isopropylidenebis(2,4-dimethylindenyl)titanium dichloride,
isopropylidene(2,4-dimethylcyclopentadienyl)(3',5'-
dimethylcyclopentadienyl)titanium dichloride,
isopropylidene(2-methyl-4-t-butylcyclopentadienyl)(3'-t-
butyl-5'-methylcyclopentadienyl)titanium dichloride,
methylene(cyclopentadienyl)(3,4-
dimethylcyclopentadienyl)titanium dichloride,
methylene(cyclopentadienyl)(3,4-
dimethylcyclopentadienyl)titanium chlorohydride,

methylene(cyclopentadienyl) (3,4-
 dimethylcyclopentadienyl)dimethyltitanium,
 methylene(cyclopentadienyl) (3,4-
 dimethylcyclopentadienyl)diphenyltitanium,
 methylene(cyclopentadienyl) (trimethylcyclopentadienyl) -
 titanium dichloride,
 methylene(cyclopentadienyl) (tetramethylcyclopentadienyl) -
 titanium dichloride, isopropylidene(cyclopentadienyl) (3,4-
 dimethylcyclopentadienyl) titanium dichloride,
 isopropylidene(cyclopentadienyl) (2,3,4,5-
 tetramethylcyclopentadienyl) titanium dichloride,
 isopropylidene(cyclopentadienyl) (3-methylindenyl) titanium
 dichloride,
 isopropylidene(cyclopentadienyl) (fluorenyl) titanium
 dichloride, isopropylidene(2-
 methylcyclopentadienyl) (fluorenyl) titanium dichloride,
 isopropylidene(2,5-dimethylcyclopentadienyl) (3,4-
 dimethylcyclopentadienyl) titanium dichloride,
 isopropylidene(2,5-
 dimethylcyclopentadienyl) (fluorenyl) titanium dichloride,
 ethylene(cyclopentadienyl) (3,5-
 dimethylcyclopentadienyl) titanium dichloride,
 ethylene(cyclopentadienyl) (fluorenyl) titanium dichloride,
 ethylene(2,5-dimethylcyclopentadienyl) (fluorenyl) titanium
 dichloride, ethylene(2,5-